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CENTRAL INTELLIGENCE AGENCY

RE

SUBJECT

1956 Import Plan of the Academy
Institute for Research on the Physics
of Solids, Berlin-Buch

NO. OF PAGES

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The following is a list of items which are to be imported in 1956 for the Institute
for Research on the Physics of Solids, Berlin-Buch, Lindenberger Weg 70, one of the
institutes under the jurisdiction of the East German Academy of Sciences in Berlin.

values are approximate.

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Item	Value	Purpose
28 g. gallium	700	Production of semi-conductors of Type A III/BV.
8 g. indium	83	" "
8 g. thallium	4	" "
500 g. tantalum plate (Germany)	150	" "
100 g. caesium bichromate	110	For the production of metallic caesium for antimony-caesium systems.
100 g. zirconium in powder form	30	" "
25 kg. nitrogen mono-oxide (N ₂ O)	133	Catalytic research on zinc-oxide.
25 x 50 g. high-vacuum Leyboldt grease	525	For the institute's high-vacuum apparatuses.
6 Multipliers	1,500	For determining minute X-ray intensities, and as an accessory device for the mono-chromator.
1 Quadrant electrometer	1,800	For determining slight electric charges, and for mono-chromator research.

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ITEM	VALUE	PURPOSE	
3 Thermocouple elements [redacted]	600	For absolute measurement of radiations of various kinds.	25X1
1 Sieghahn grid [redacted]	400	This item cannot be imported through the usual import channels. Funds will have to be made available.	
1 X-ray minier camera [redacted]	8,000	Structure camera with focussing crystal mono-chromator.	25X1
2 Zernicke galvanometers [redacted]	1,400	For absolute measurements (thermoclement).	
1 [redacted] universal X-ray dosimeter [redacted]	7,000	For standardizing CDS dosimeter cells.	25X1
2 Quartz crystals [redacted]	500	For use in the mono-chromator under construction.	
1 Tube voltmeter EM 6006 [redacted]	800	With a range of 3kV and 30 megacycles (MHz); not procurable at the present in East Germany.	
1 [redacted] compensator [redacted]	800	Compensators for slight currents of 10 micro-volts; not procurable at present in East Germany.	25X1
1 Para-ohmmeter 1446 with measuring cable 22 21 [redacted]	1,500	For semi-conductor research (Para-ohmmeters made in East Germany do not have the necessary measuring voltage range of up to 1,000 V.)	25X1
1 Synchroscope [redacted]	6,000	For measuring rapidly changing impulses. (zur Messung schnell veränderlicher Vorgänge im Impulsbetrieb).	
2 Electrometer tubes M13 [redacted]	120	For amplifiers with high ohm input; not procurable in East Germany at present.	25X1
1 Synchronal tube 0.6 x 0.2 m. with 5 mm. wall thickness [redacted]	50	For crystal culture furnaces.	25X1
10 g. Purest cerium [redacted]	160	For activating CDS.	25X1
0.5 ltr. tin tetrachloride (SnCl ₄) [redacted]	9	For producing transparent conducting layers.	25X1
0.5 ltr. colloidal carbon "Aquadag" [redacted]	10	For contacting (Kontaktierung).	25X1

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